



## SESSION 1-5

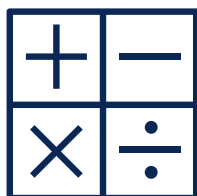
1. Algebra 1
2. Algebra 2
3. Algebra 3
4. Algebra 4
5. Algebra 5

## SESSION 29

29. Review Exam Questions

## SESSION 26-28

26. Differential Calculus - Turning Points, Points of Inflection & Rates of Change
27. Differential Calculus - Rates of Change, Max/Min Problems & Related Rates of Change
28. Differential Calculus - Related Rates of Change



# MATHS

## 5TH YEAR

## SESSION 6-11

6. Trigonometry - Introduction, Pythagoras/SOHCAHTOA
7. Trigonometry - Sine Rule/ Cosine Rule
8. Trigonometry - Practical Problems, Area, Sectors
9. Trigonometry - Sectors PPQs, 3D Triangles
10. Trigonometry - Trig Functions
11. Trigonometry - Trig Equations + Identities

## SESSION 12 - 16

12. Complex Numbers - Introduction, Multiplication, Division, Equations
13. Complex Numbers - Equations, Conjugate Roots Theorem
14. Complex Numbers - Polar Form, Multiplying and Dividing in Polar Form
15. Complex Numbers - De Moivre's Theorem - Powers, Roots
16. Complex Numbers - De Moivre's Theorem - Roots, Trig Identities

## SESSION 17 - 21

17. Statistics - Averages and Measures of Spread
18. Statistics - Linear Regression (Scatter Plots)
19. Statistics - Normal Distribution (The Empirical Rule and Z Values)
20. Inferential Statistics
21. Hypothesis Test

## SESSION 22 - 25

22. Differential Calculus - Differentiation Basics & Differentiating from First Principles
23. Differential Calculus - Differentiating by rule, Rules of Indices, Product Rule & Quotient Rule
24. Differential Calculus - Chain Rule & Trigonometric Differentiation
25. Differential Calculus - Trigonometric Differentiation, Exponential Differentiation & Applications